RUST-OLEUM

25B-2
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RUST-OLEUM . . . the formulation of scientifically processed fish oil . . . with the highest grade pigments . . . in a variety of colors, with either flat, semi-gloss or gloss finish to meet every specific requirement for the protection of metal, wood, brick, concrete, etc. . . . indoors and outdoors.

Rust-Oleum is economical because it may be applied on a rusted metal surface and does not require sandblasting or other costly cleaning methods before use. Wire brushing the surface is all that is necessary. The oil penetrates every pore of the surface down to base metal, expelling air and moisture, incorporates the rust (iron oxide) into an air-tight, water-proof, elastic film that stops and prevents further rust.

Only the fact that a process developed by Rust-Oleum makes fish oil dry and removes the objectionable odor hitherto found, makes it possible for industry to take advantage of the most efficient coating known to science for the elimination and prevention of rust deterioration.

Rust-Oleum will dry from four to eight hours, depending on the type of product used, the humidity and the proper application (brushing out) of the coating.

It is very easy to apply, is self-leveling and dries free of brush marks. It is pliable and retains its elasticity, therefore it does not crack nor check when subjected to expansion or contraction.

Rust-Oleum in its various types resists acid fumes, alkali, grease, oil, exterior weather elements, brine, slight abrasion, salt water, salt air, etc.

Recommendations are based on tests in the laboratory, in the field, and applications under actual practical conditions which have given excellent results to many nationally known users for many years. Due to conditions beyond our control, it is not possible for us to guarantee results because of the many additional important factors, that, added to a good product, are necessary in order to get the desired results.

DIRECTIONS FOR USE AND APPLICATION OF RUST-OLEUM

Long Oil Type Products

Recommended for use on generally stationary exterior structural steel subject to exterior weather elements, where it is not necessary to have a quick drying finish, and where there are no special conditions to consider, such as extreme dampness, abrasion, heavy alkali or acid fume conditions. Special features, such as fume resistance, temperature the product will generally withstand, proper prime coat, correct thinning oil, and uses for which each product is especially recommended are shown in the descriptive paragraph opposite the product tile and color chip.

All rusted metal surfaces should be wire brushed and primed with a first coat of 769 Red. Any surface which is clean and free of rust, or was previously painted, is free of rust and in fair condition, does not require a prime coat of red.

Thinning oil should be used sparingly in brushing, and as needed to enable the material to flow freely in dipping or spraying. Consistency of Rust-Oleum is heavy and though it appears heavy before thinning a trial brushing should be made to determine ease of application.

Short Oil Type Products

Recommended for use on exterior structural steel subject to special conditions such as salt air, spray, abrasion, extreme dampness, acid fumes, alkali fumes, and any other conditions of a nature which require a quick drying finish. They are also recommended for all interior surfaces such as machinery, railings, structural steel indoors, pipes, production finishing for heavy steel, and in general on any surface with which people will come in contact, and which in addition may be subject to the special conditions as mentioned above.

All rusted metal surfaces should be wire brushed to remove dirt, scale, old paint blisters, rust scale, etc. In addition, the surface should be free of grease and oil. It is then ready for the prime coat, generally 769 Dampproof Red. Any surface which is clean and free of rust, or previously painted, free of rust and in fair condition, does not require a prime coat. However, if desired, use 960 Primer.

Thinning Oil should be used sparingly in brushing and as needed to enable it to flow freely in dipping or spraying. Before thinning a trial brushing should be made to determine ease of application.

It is recommended that throughout the job the various products being used be continually stirred to assure thorough mixing and uniformity of film.

Heat Resistant Coatings

For use on interior or exterior surfaces where heat resisting finishes are desired in maintenance, new construction or production work.

On types with up to 500° F. heat resistance or less it is recommended that within 6 to 12 hours after application of one coat on maintenance jobs the equipment be placed into service and a gradual increase in surface heat allowed until normal heat is attained. On two coat applications the prime coat should be thinly applied and well brushed out to avoid accumulation on the surface, in corners, etc. After prime coat dries thoroughly, second coat can be applied and some gradual heat increase allowed as for one coat jobs.

On types with up to 1000° F. heat resistance, rusted surfaces should be thoroughly clean and sound. Second coats applied only after complete drying and some "use" of first coat.

Other Rust-Oleum Products

Directions for use and application are given on pages 10 to 15.

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RUST-OLEUM

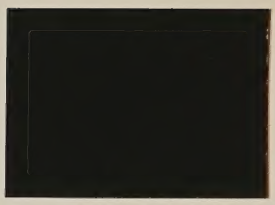
COATINGS—Long Oil Type	For use on generally stationary exterior structural steel subject to exterior weather elements, where it is not necessary to have a quick drying finish and where there are *no* special conditions such as extreme dampness, abrasion, heavy alkali or acid fume conditions. Should not be used where the surface temperature or outdoor temperature is less than 40°F., in order to assure proper drying and complete results.	4-6
COATINGS—Short Oil Type	For use on exterior structural steel subject to special conditions such as salt air, salt spray, abrasion, extreme dampness, acid fumes, alkali fumes and other conditions and on interior surfaces which require a quick drying finish. Recommended for any surface with which people come in contact, and which are subject to the conditions as stated. Should not be used where the temperature and surface temperature are less than 40°F., at or during time of application to assure proper drying and good adhesion to the surface to which applied.	6-10
COATINGS—Heat Resistant	For use on interior or exterior surfaces where heat resisting finishes are desired either in maintenance, new construction or production. Available in two types: (1) those for use where surface temperature *does not exceed* 500°F.; (2) those for use where surface temperature is *above* 500°F.	10-11
COATINGS—Chemical Resistant	For use on interior or exterior surfaces subjected to severe acid or alkali fumes, condensates, moisture vapors, alcohol fumes, greases and oils and where it has been observed that ordinary oil type coatings are not satisfactory. Air-dries in from 30 minutes to two hours.	12-13
Finishes—Machinery and Implement	For use for color identification of pipes, steam lines, etc., in factories, buildings, etc., as well as to match the shade and colors of the standard finishes used on agricultural, construction and highway maintenance machinery and equipment by the original manufacturers. Key to the color standard is contained in the title of each product.	12-13
COATINGS—Floor	For use on interior and exterior sheltered surfaces — concrete, brick, wood or stone and also as a dado finish on walls of these materials as well as plaster, and on iron railings which are not rusting. Dries hard to a high gloss finish in 4 to 8 hours.	15
SEALERS—Liquid	For use as foundation coat as well as sealer on interior or exterior surfaces where dampness, humidity, etc., prevent the use of ordinary paint, and where operations allow a complete drying of the surface. Available in two types (1) for use on surfaces not subject to foot or vehicle traffic and (2) for use where surface is subject to foot or vehicle traffic and which may be damp, dusting, or deteriorating with age.	14
RUST-OLEUM OILS	For use primarily as thinning oils for the various types of Rust-Oleum products, requiring a minimum of use since frequent stirring of the products within the can will usually give the required and recommended consistency.	14
Protective Coating R-9	A temporary protective coating for protecting clean steel from rust. Easily removed with common solvents.	16
Standard Containers	½ Pints, Pints, Quarts, 1 Gal. Cans, 5 Gal. Cans, 30 Gal. and 55 Gal. Drums.	16
Numerical Index by Products	To identify products by number, and permit quick location of data on each.	16

586 RED-LO

Gloss finish coat. Contains no lead. Used as finish coat on production work on heavy metal production parts. Use 769 Red as prime coat if rusted metal.

582 BLACK-LO

Fast, gloss black finish. Use 769 Red as prime coat if rusted metal.



412 FLAT BLACK-LO

Fast, flat black finish. 769 Red prime coat for rusted metal.

792 BROWN-LO

Gloss Finish. Contains no lead. Rusted metal requires prime coat of 769 Red.

594 GREEN-LO

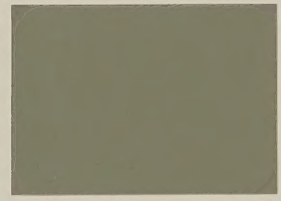
Gloss finish. Not recommended for use under heavy fume conditions. Rusted metal requires prime coat of 769 Red.

782 GREEN-LO

Gloss finish. Not recommended for use under heavy fume conditions. Prime coat of 769 Red on rusted metal.

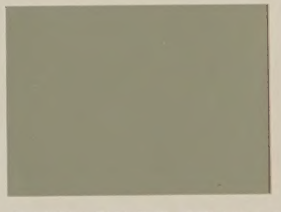
688 SUBLIMED BLUE GRAY-LO

Gloss finish. Contains lead and is not recommended for use under heavy fume conditions or where animals contact it. Prime coat of 769 Red for rusted metals.



583 GRAY-LO

Gloss finish. Contains no lead. Recommended for use under mild fume conditions. Use 769 Red prime on rusted metal.



18328 SILVER GRAY-LO

Gloss finish. Contains no lead. Recommended for use under mild fume conditions. Use 769 Red prime on rusted metal.

COATINGS — LONG OIL TYPE

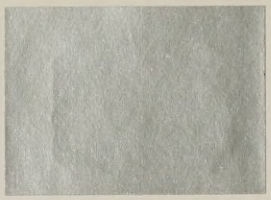
	586 RED-LO	582 BLACK-LO	412 FLAT BLACK-LO
Applications	For exterior maintenance, production, and new construction on bridges, fire escapes, sash, tanks, towers, steel cars, structural steel, etc., as a finish coat.	For exterior use on buildings, bridges, stacks, tanks, fire escapes and other surfaces not subject to constant traffic. Especially adapted to plating rooms, foundries and other places subject to acid fumes.	For all work on structural metal, tanks, towers, etc. Especially for use on signal facing, warning signs, guard rails, etc., on highways and in cities under heavy traffic.
Resistant Qualities	Withstands 250°F., general weather conditions, and moderate fumes.	Withstands 450°F. acid fumes and general weather conditions.	Withstands 400°F. moderate fumes and general weather conditions.
Drying Time	8 to 12 hours.	8 to 12 hours.	6 to 12 hours.
Thinner	785 Thinning Oil (or 633 Quick Drying Oil, if slightly accelerated drying is desired).	785 Thinning Oil.	785 Thinning Oil for exterior and 633 Quick Drying Oil for interior.

	792 BROWN-LO	594 GREEN-LO	782 GREEN-LO
Applications	For maintenance and new construction work where a decorative and protective coating in medium brown is desired in light industrial and residential areas on fences, sash buildings, tanks, etc., on either wood or metal.	For exterior maintenance and new construction work in light industrial, residential and farm areas on metal or wood, for tanks, fences, sash, barns and buildings where decorative non-fading green is desired.	For new construction and exterior maintenance work on metal or wood, tanks, fences, barns, sash, structural steel, etc., where a decorative, non-fading medium green is desired.
Resistant Qualities	Withstands 250°F. moderate fumes and general weather conditions.	Withstands 212°F. mild fumes and general weather conditions.	Withstands 212°F. mild fumes and general weather conditions.
Drying Time	8 to 12 hours.	8 to 12 hours.	8 to 12 hours.
Thinner	785 Thinning Oil.	785 Thinning Oil.	785 Thinning Oil.

	688 SUBLIMED BLUE GRAY-LO	583 GRAY-LO	18328 SILVER GRAY-LO
Applications	For exterior use where a blue lead product is desired as a finish coat and in light industrial, residential and agricultural areas on sash, fences, buildings, bridges, etc. Color is known as "battleship gray."	For exterior maintenance and new construction work as on sash, buildings, tanks, fences, structural steel towers, bridges, etc., where a medium, warm gray is desired.	For exterior maintenance and new construction work on sash, buildings, fences, towers, bridges, etc., where a light, self-cleaning gray is desired.
Resistant Qualities	Withstands 212°F. and general weather conditions.	Withstands 212°F. mild fumes, general weather conditions.	Withstands 212°F. mild fumes and general weather conditions.
Drying Time	8 to 12 hours.	8 to 12 hours.	8 to 12 hours.
Thinner	785 Thinning Oil.	785 Thinning Oil.	785 Thinning Oil.

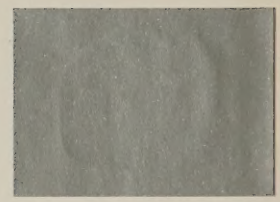
575 OUTSIDE WHITE-LO

Gloss finish. Not recommended for use under heavy fume conditions. Prime coat of 769 Red on rusted metal — 960 Primer on clean or slightly rusted metal.



592 ALUMINUM-LO

High Lustre exterior aluminum in double compartment containers, paste and separate for maximum brilliance. Rusted metal requires prime coat of 769 Red, one coat will cover primer if properly applied.

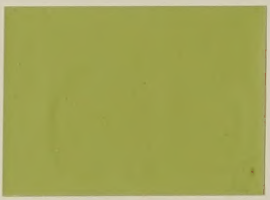


470 READY MIXED ALUMINUM-LO

Exterior aluminum of excellent brilliance furnished ready mixed for immediate use. Rusted metal requires prime coat of 769 Red. Has same qualities as 592 Aluminum-LO except that it is furnished ready-mixed.

769 DAMP-PROOF RED PRIMER-SO

Semi-gloss finish. Contains no lead. For use as prime coat for other finish coatings or as protective or finish coat on work exposed. Absence of lead eliminates poisonous fumes when welding and riveting and produces a weld free of pin-holes.



960 PRIMER-SO

Semi-gloss primer. Contains no lead. Used as primer on clean, or slightly rusted metal, wherever primer is desired and especially where white is finish coat. Rusted metal requires prime coat of 769 Red.

X-60 MARINE RED PRIMER-SO

Semi-gloss primer. Contains no lead. Used as a prime coat for 745 Marine Red-SO or other short oil type coatings in priming rusting metal surfaces in damp or brine conditions.

634 QUICK DRYING BLACK-SO

Fast, black gloss finish. One coat makes excellent production work finish if metal is not rusted. Prime coat of 769 Red on rusted metal.

1282 QUICK DRYING GREEN-SO

High gloss finish. Rusted metal requires a prime coat of 769 Red. Use 960 Primer on clean or slightly rusted metal.

721 NATIONAL BLUE-SO

Gloss finish. Contains no lead. Rusted metal requires prime coat of 769 Red. Use 960 Primer on clean or slightly rusted metal.

Never apply a Finish coat of a SHORT OIL Type (SO) coating over a PRIME coat of a LONG OIL Type coating because checking or Alligatoring will occur.

COATINGS — LONG OIL TYPE (Con'd)

	575 OUTSIDE WHITE-LO	592 ALUMINUM-LO	470 READY MIXED ALUMINUM-LO
Applications	For new construction and exterior maintenance work on metal or wood, for tanks, fences, barns, sash, buildings, silos, bridges, radio and signal towers, warning signs, guard rails, etc. where outside white is desired.	For maintenance, new construction and heavy production work on bridges, buildings, fences, tanks, silos, bus and trolley tops, equipment and wherever extra brilliant aluminum is desired.	For maintenance, new construction and heavy production work on bridges, buildings, fences, tanks, silos, bus and trolley tops, equipment and wherever brilliant aluminum is desired.
Resistant Qualities	Withstands 190°F. mild (industrial area) fumes and general weather conditions.	Withstands 500°F. moderate fumes and general weather conditions.	Withstands 500°F. moderate fumes and general weather conditions.
Drying Time	8 to 12 hours.	8 to 12 hours.	8 to 12 hours.
Thinner	540 Thinning Oil for white.	591 Aluminum Oil (or in emergency 785 Thinning Oil sparingly).	591 Aluminum Oil (or in emergency 785 Thinning Oil sparingly).

COATINGS — SHORT OIL TYPE

	769 DAMP-PROOF RED PRIMER-SO	960 PRIMER-SO	X-60 MARINE RED PRIMER-SO
Applications	For new construction, maintenance, farm areas and marine field where dampness and rust prevail. On bridges, tanks, sash, steel cars, etc., and on decks, ships above water line, water tanks, dairies and breweries.	For use as prime coat on maintenance, new construction and production work on equipment, benches, tanks, structural steel, sash, fences and tables, where metal is free of or only very slightly rusted.	For maintenance, new construction and production work in the marine industry for priming of hulls, inside and outside, superstructure, decks, in the holds, engine room, etc.
Resistant Qualities	Withstands 250°F. moderate fumes, mild acids, brine, dampness, slight abrasion, and weather conditions.	Withstands 250°F.	Withstands 250°F. dampness, brine, moderate fumes and mild acids.
Drying Time	4 to 6 hours.	4 to 6 hours.	4 to 6 hours.
Thinner	633 Quick Drying Oil.	633 Quick Drying Oil (sparingly).	633 Quick Drying Oil.

	634 QUICK DRYING BLACK-SO	1282 QUICK DRYING GREEN-SO	721 NATIONAL BLUE-SO
Applications	For axles, boiler tubing, pipe, heavy black metal parts of all kinds, also maintenance and new construction in industrial, city and farm areas on machinery, tanks, sash, railings, water lines, breweries, mills, etc.	For use as seat enamel for chairs, benches, railings or wherever a hard, quick drying green is desired. Also for machinery, trucks, pipes and other maintenance and construction work where a hard, medium green is required.	For maintenance and new construction work in light industrial, residential and farm areas on interior sash, trucks, signs, tanks, machinery, etc., and on reasonably sheltered exterior surfaces, not subject to severe exposure.
Resistant Qualities	Withstands 400°F. moderate fumes especially under damp conditions, mild acids, slight abrasion, weather conditions,	Withstands 212°F. mild fumes, dampness and weather conditions.	Withstands 212°F. mild fumes and mild weather conditions.
Drying Time	4 to 6 hours.	4 to 6 hours.	4 to 6 hours.
Thinner	633 Quick Drying Oil.	633 Quick Drying Oil.	785 Thinning Oil on exterior, 633 Quick Drying Oil for interior where hard, quick drying is desired.

745 MARINE RED-SO

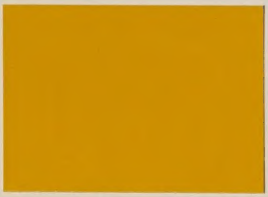
Gloss finish. Contains no lead. Designed for use as finish coat over X-60 Marine Red Primer-SO. Contains special ingredients for maximum abrasion resistance. Excellent for interior of water tanks.

1364 CANNERS RED-SO

Gloss finish. Contains no lead. Rusted metal requires prime coat of 769 Red. Excellent for interior surfaces of water tanks where fast drying is required.

1210 FIRE HYDRANT RED-SO

High gloss finish. Contains no lead. Prime coat of 769 Red on rusted metal.



659 YELLOW-SO

Gloss finish. Prime coat of 769 Red on rusted metal. 960 Primer on clean or slightly rusted metal. Same as popular "Federal Yellow" usually specified on various government and state projects.

1151 ORANGE-SO

Gloss finish. Prime coat of 769 Red required on rusted metal. 960 Primer on clean or slightly rusted metal.

904 FUME-PROOF GRAY-SO

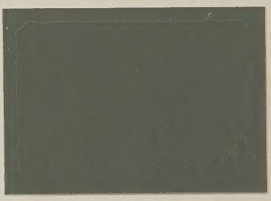
Gloss finish. Contains no lead. Rusted metal requires prime coat of 769 Red. Use 960 Primer on clean or slightly rusted metal.

906 FUME-PROOF SILVER GRAY-SO

Gloss finish. Contains no lead. Prime coat 769 Red for rusted metal. 960 Primer for clean or slightly rusted metal.

973 BRINE-PROOF GRAY-SO

Gloss finish. Contains no lead. Rusted metal requires prime coat of 769 Red. 960 Primer on clean or slightly rusted metal. Designed for use under severe salt air, brine or mild fume conditions.



975 BRINE-PROOF NAVY GRAY-SO

Gloss finish. Contains no lead. Navy medium gray color especially for use in marine field. Rusted metal requires prime coat of 769 Red. 960 Primer on clean or slightly rusted metal.

COATINGS — SHORT OIL TYPE (Con'd)

	745 MARINE RED-SO	1364 CANNERS RED-SO	1210 FIRE HYDRANT RED-SO
Applications	For maintenance, new construction and production finish in the marine and shipbuilding industry on interior and exterior of hulls, superstructures and decks of ships, barges, etc.	For use in canning, dairy and food processing industries on machinery, steam and hot water lines, brine lines, canning baskets, or in structures and equipment subject to dampness, mild acids and humidity.	For maintenance, new construction and production work in industrial, residential and farm areas on fire hydrants, fire boxes, fire equipment, signs and other surfaces where a bright red finish is desired.
Resistant Qualities	Withstands 250°F. dampness, salt air, brine, moderate fumes, mild acids, and abrasion.	Withstands 250°F. mild acids and weather conditions.	Withstands 212°F. weather conditions and moderate fumes.
Drying Time	4 to 6 hours.	4 to 6 hours.	4 to 6 hours.
Thinner	633 Quick Drying Oil.	633 Quick Drying Oil.	633 Quick Drying Oil.

	659 YELLOW-SO	1151 ORANGE-SO	904 FUME-PROOF GRAY-SO
Applications	For warning signs, barriers, danger signs, guard rails, traffic lights and maintenance and new construction work in city, industrial, and farm areas on trucks, buildings, hydrants, snow plows, etc.	For maintenance, new construction and production work in light industrial, residential and farm areas as a decorative and protective coating on sash, signs, trucks, hydrants, railings, etc.	For use under fume and damp conditions in heavy industrial districts near railroads, mills, etc. Also for maintenance and new construction on sash, buildings, fences, tanks, structural steel and signs.
Resistant Qualities	Withstands 212°F. mild fumes and mild weather conditions.	Withstands 212°F. mild fumes and moderate weather conditions.	Withstands 250° F. fumes and general weather conditions.
Drying Time	4 to 6 hours.	4 to 6 hours.	4 to 6 hours.
Thinner	633 Quick Drying Oil.	633 Quick Drying Oil.	633 Quick Drying Oil.

	906 FUME-PROOF SILVER GRAY-SO	973 BRINE-PROOF GRAY-SO	975 BRINE-PROOF NAVY GRAY-SO
Applications	For use under fume and damp conditions in heavy industrial districts near railroads, mills, processing plants, etc. For maintenance and new construction on sash, buildings, fences, tanks, equipment, etc.	For maintenance, new construction or production work in dairies, packing houses, ice plants, food processing plants, ships, equipment, etc., where dampness, brine or mild fumes exist.	For maintenance and shipbuilding on hulls, barges, superstructures, etc., interior and exterior. Also in dairies, packing houses, food processing plants, etc., wherever dampness and brine are found.
Resistant Qualities	Withstands 250°F. fumes and weather conditions.	Withstands 250°F. salt air and water, brine, dampness, coastal weather conditions.	Withstands 250°F. salt water and air, brine and dampness, coastal and seafaring conditions.
Drying Time	4 to 6 hours.	4 to 6 hours.	4 to 6 hours.
Thinner	633 Quick Drying Oil.	633 Quick Drying Oil.	633 Quick Drying Oil.

COATINGS — SHORT OIL TYPE (Con'd)

	632 QUICK DRYING ALUMINUM-SO	500 CHROME Ready Mixed ALUMINUM-SO	X-59 FUME-PROOF WHITE-SO
Applications	For use on interior surfaces such as pipes, benches, railings, machinery, trucks, sash, wood, plastic or cement walls; dairies, meat packing plants, laundries or wherever dampness prevails.	For use under fume, brine and damp conditions in breweries, dairies, canneries, etc. For light industrial, residential and farm areas on equipment, machinery and walls. Also for woodwork, plaster, cement and asbestos surfaces.	For use on interior surfaces such as pipes, benches, railings, machinery, trucks, sash, wood, plastic or cement walls; dairies, meat packing plants, laundries or wherever dampness prevails.
Resistant Qualities	Withstands 500°F. moderate fumes, dampness, mild brine, slight abrasion.	Withstands 212°F. fumes, dampness, slight brine and corrosion.	Withstands 500°F. moderate fumes and dampness.
Drying Time	4 to 6 hours.	4 to 6 hours.	4 to 6 hours.
Thinner	633 Quick Drying Oil.	633 Quick Drying Oil.	Should be stirred often to avoid thinning. If necessary, use 540 Thinning Oil for white sparingly.

	2764 EGGSHELL GLOSS WHITE-SO	2766 HIGH GLOSS WHITE-SO
Applications	For interior and exterior use on ships and ship fittings, fresh or salt water. For plaster, brick or cement walls, machinery and equipment in dairies, breweries and food processing plants, offices, hotels, etc.	For interior and exterior use on ships and ship fittings, fresh or salt water. For plaster, brick or cement walls, machinery and equipment in dairies, breweries and food processing plants, offices, hotels, etc.
Resistant Qualities	Withstands 212°F. moderate fumes, damp and brine conditions and salt air.	Withstands 212°F. moderate fumes, damp and brine conditions and salt air.
Drying Time	4 to 6 hours.	4 to 6 hours.
Thinner	Constant stirring will minimize need for thinner. If necessary use 540 Thinning Oil for white.	Constant stirring will minimize need for thinner. If necessary use 540 Thinning Oil for white.

COATINGS — HEAT RESISTANT

For use on interior or exterior surfaces where heat resisting finishes are desired in maintenance, new construction or production work. Will dry in from 4 to 12 hours depending upon the temperature and surface temperature of the place used.

On types with up to 500° F. heat resistance or less it is recommended that wihtin three (3) hours after application of one coat on maintenance jobs the equipment be placed into service and a gradual increase in surface heat allowed until normal heat is attained. On two coat applications the prime coat should be thinly applied and well brushed out to avoid accumulation on the surface, in corners, etc. After prime coat dries thoroughly, second coat can be applied and some gradual heat increase allowed as for one-coat jobs. It is preferable to apply to a warm (up to 150°F.) rather than a cold surface.

On types with up to 1000°F. heat resistance, rusted surfaces should be thoroughly clean and sound. Second coats applied only after complete drying of first coat.

819 HEAT RESISTING RED. Semi-gloss finish. Contains no lead. For use as prime coat on rusted surfaces up to 500°F. and also as finish coat. Withstands 500°F. moderate fumes, and general weather conditions. Dries in 4 to 6 hours. Proper thinner is 633 Quick Drying Oil. For use on breechings, flues, incinerators, machinery, kilns and other surfaces up to 500°F.

M-14 BLACK GRAPHITE. A fast, semi-gloss finish. Prime coat of 819 Heat Resisting Red on rusted metal surfaces not exceeding 500°F. On surfaces with higher temperature see 959 Heat Proof Aluminum. Withstands 500°F. general weather conditions and mild fumes. Dries in 8 to 12 hours. Proper thinner is 633 Quick Drying Oil. For use on boiler fronts, flues, stacks, stoves, pipes and other surfaces.

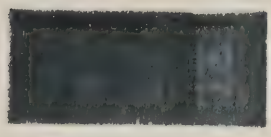
507 HEAT RESISTING GRAY. Semi-Gloss finish. Contains no lead. For use on hot surfaces as a finish coat where temperature does not exceed 500°F. Withstands general weather conditions and 500°F. Dries in 4 to 6 hours and proper thinner is 633 Quick Drying Oil. For maintenance, new construction and production work on stacks, flues, boiler fronts, breechings, kilns, radiators, pipes, incinerators, etc.

592 ALUMINUM—632 Q.D. ALUMINUM. A high lustre aluminum furnished in double compartment containers, aluminum paste and oil separate for maximum brilliance. 592 Aluminum recommended for use on exterior surfaces with 591 Aluminum Oil as thinner. 632 Quick Drying Aluminum recommended for interior surfaces with 633 Quick Drying Oil as thinner. Rusted metal requires prime coat of 819 Heat Resisting Red. For use on surfaces not exceeding 500°F. on maintenance, new construction and production work on stacks, flues, kilns, steam and hot water pipes, incinerators, boiler fronts, breechings, etc.

COATINGS — SHORT OIL TYPE (Con'd)

632 QUICK DRYING ALUMINUM-SO

High lustre aluminum furnished in double compartment containers, aluminum paste and oil separate, for maximum brilliance. Prime coat of 769 Red for rusted metal. One coat will cover primer if properly applied.



500 CHROME READY MIXED ALUMINUM-SO

Interior aluminum furnished ready mixed for immediate use. Produces high lustre chrome appearance. Identical in quality to 632 Quick Drying Aluminum except the difference in mesh of aluminum and ready mixed. Prime coat of 769 Red on rusted metal.

X-59 FUME-PROOF WHITE-SO

High gloss finish. Contains no lead. Rusted metal requires prime coat of 769 Red. Clean or previously coated surfaces in good condition, use 2764 Eggshell Gloss white as primer.

2764 EGGSHELL GLOSS WHITE-SO

Semi-gloss pure white finish. Also excellent intermediate primer as required. Contains no lead. 769 Red prime coat on rusted metal. 960 Primer on clean or slightly rusted metal.

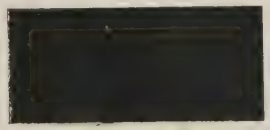
2766 HIGH GLOSS WHITE-SO

High gloss pure white finish. Contains no lead. Rusted metal requires prime coat of 769 Red. Clean or slightly rusted metal 960 Primer. If two coats of white are desired over clean, white surface — first coat should be 2764 Eggshell Gloss White-SO.

COATINGS — HEAT RESISTANT

470 READY MIXED ALUMINUM. A heat-proof aluminum of excellent brilliance, furnished ready mixed for convenience of immediate use. Identical in quality and with same general technical instructions for use as 592 Aluminum above. Only difference is that 470 is furnished ready-mixed whereas 592 is furnished in dual containers.
959 HEAT PROOF ALUMINUM. A high lustre, high heat proof aluminum furnished in double compartment container, aluminum paste and vehicle separate for maximum brilliance. Rusted metal should be scraped and wire brushed to make surface clean allowing maximum adhesion. One, or two coats at most, should be applied. Surface temperature should not exceed 250° F. at application and shortly after application gradually increased to normal. For use on interior and exterior hot surfaces such as stacks, kilns, boiler fronts, breechings, etc., where temperature is above 550° F. but does not exceed 1000° F. Proper thinner is 957 Heat Proof Aluminum Oil.
55 HEAT PROOF READY MIXED ALUMINUM. General technical instructions for use are the same as 959 Aluminum, above. Only difference between 959 and 55 is that 55 is furnished ready mixed.

819 RED
Heat Resistant

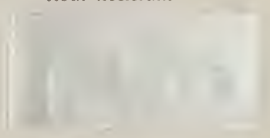


M-14 BLACK
Graphite

507 GRAY
Heat Resistant

592 ALUMINUM
632 Q.D. ALUMINUM

470 R.M. ALUMINUM
55 H.P.R.M. ALUMINUM



959 ALUMINUM
Heat Proof

COATINGS — CHEMICAL RESISTANT

Rust-Oleum Chemical Resistant Coatings are special coatings designed for service under severe acid or alkali fumes, condensates, moisture vapors, alcohol fumes, greases and oils, where ordinary oil-type coatings are not satisfactory. They are fortified with rubber to resist chemical conditions which are the major cause of rust and where general weathering or constant expansion and contraction are not primary causes of rust.

The coatings have flexibility, adhesion and toughness and are highly resistant to abrasion, scrubbing and mild soaps. They may be applied by brush, dip or spray and will air-dry in from 30 minutes to two hours, depending upon atmospheric or operating conditions under which they are used.

Since a variety of problems result from corrosion of metals, it is difficult to specify for every situation. It is recommended that all data of specific conditions be analyzed carefully before selection of coatings in order to determine accurately results to be obtained.

RUSTED METAL. Rusted, scaling metal should be carefully scraped, chipped and wire-brushed to remove all foreign matter. Under corrosive chemical conditions previous coatings are usually found. Any peeling, scaling or unsound previous coatings should be removed. It is not necessary to remove all appearance of rust.

PRIME COAT ON RUSTED SURFACE. After cleaning surface as suggested, and after neutralizing treatment is given, if rust remains, apply one light prime coat of No. 450 Chemical Resistant Primer, well brushed out and worked into rusted surfaces. Allow 24 hours or more to dry, depending upon atmospheric conditions. When thoroughly dry, apply finish coat in color desired. No. 402 Black is the most resistant to all corrosive chemicals.

CLEAN SURFACE. If there is no rust, apply two coats in finish color desired. In general, whether rusted or clean surface, not more than two coats should be applied before returning to service. A third coat may be applied after several months of use to build up thickness of coating for greater protection. Protective film should be continuous and free from breaks or blemishes.

ACCUMULATED CONDENSATION. If surface has accumulated acid condensation, it should be washed down with an alkali solution to neutralize acidity in porous surface. Any accumulated alkali condensation or dust deposits should be washed down with an acid solution to neutralize the alkali in porous surface. After either solution wash with clean warm water and let dry. WARNING — Very often a coating applied over accumulated acid or alkali will deteriorate from the underside and be destroyed. Neutralizing as suggested will help prevent this condition.

Chemical resistant coatings will effectively handle the following concentrations: 3% acetic acid — 10% hydrochloric acid — 10% sulphuric acid — 10% nitric acid — 5% sodium hydroxide — 29% ammonium hydroxide. They also resist oil and grease.

INTERIOR OF METAL STORAGE TANKS. It is not recommended that Rust-Oleum Chemical Resistant Coatings be applied to interior surfaces of metal storage tanks and other metal containers for handling most acids, alkali, and solutions of corrosive chemicals. The slightest imperfection in the film (a particle of lint or single strand of fibre) will act as a wick and may allow highly corrosive liquid to penetrate and attack the metal. Once corrosion is on its way, it continues under the film and eventually destroys it completely.

COVERAGE. On rusted metal surfaces, not too severely pitted, the prime coat of No. 450 Chemical Resistant Primer should yield approximately 400-450 sq. ft. per gallon. It must be applied evenly, thoroughly brushed out, so that no excess material will accumulate anywhere on the surface to cause "soft spots."

Chemical Resistant Coatings should yield approximately 300-350 sq. ft. per gallon. Each must be applied evenly and flowed on rather than brushed out thinly. Reasonable thickness of coating is desirable to secure maximum life and resistance to the rust-producing corrosive chemicals.

HEAT RESISTANCE. Chemical Resistant Coatings Recommended To Withstand Surface Temperature up to 250° F.

THINNING. Rust-Oleum Chemical Resistant Coatings should be used as received in the original container. Stir thoroughly before use and during entire application. Thin only IF NECESSARY using No. 410 *Chemical Resistant Thinner.*

MACHINERY and IMPLEMENT FINISHES

These finishes are manufactured to match the standard color and shade used on agricultural, construction and highway maintenance machinery and equipment of original manufacturer. They are used for color identification of pipes, steamlines, etc., in factories and other buildings. Key to the color standard of each manufacturer is contained in title of the product.

All rusted metal should be wirebrushed to remove dirt, scale, old paint blisters, etc. The surface should also be free of grease and oil. Once clean, a prime coat of H-50 Primer should be applied. When dry, sand lightly before applying finish coat. If surface is clean and free of rust, previously painted and in fair condition, no prime coat is necessary and one coat will usually cover perfectly.

Application can be by brush or spray. If brush applied, use a soft, fine quality brush. Drying time is from 4 to 8 hours depending upon temperature, humidity and weather conditions at time of application. Should not be applied if temperature of location or surface temperature is less than 40° F. just before or during time of application.

These coatings will withstand approximately 212° F. Proper thinner is 633 Quick Drying Oil. Thinning oil should be used sparingly — only an amount sufficient to secure proper viscosity of liquid, especially for spray applications. The viscosity required depends upon the type of gun, pressure and working efficiency of the equipment used. An experienced sprayer will be able to properly thin and make necessary adjustments.

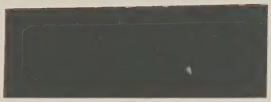
COATINGS — CHEMICAL RESISTANT

450 Primer

400 Red

402 Black

403 Aluminum



404 Gray

405 White

MACHINERY and IMPLEMENT FINISHES

H-50 Primer

H-1 Allis Chalmers Orange

H-2 International Red

H-10 J. D. Yellow

H-12 Oliver Green

H-4 Caterpillar Yellow

H-8 International Blue

H-3 J. D. Green

H-13 Oliver Red

H-5 Black

H-15 International Green

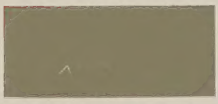
H-11 J. D. Red

H-14 Oliver Orange

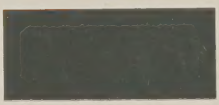
H-6 Flambeau Red

H-16 M-M Prairie Gold

H-18 Massey-Harris Yellow



H-20 Ford Gray



H-7 Ferguson Gray

H-17 M-M Red

H-19 Massey-Harris Red

H-21 Ford Red

H-9 Euclid Green

713 SURFA-SELE

is a white, eggshell gloss liquid sealer that will seal and waterproof concrete, cement, stucco, brick, wood, plaster, asbestos, "Celotex" wallboard siding, cement block, stone, etc., which require a sealer.

It may be used on interior and exterior surfaces and is an ideal foundition coat as well as sealer where dampness, humidity, steam, etc., prevent use of ordinary paint. It is not recommended for use on floors, stairways, or any surface subject to foot or vehicle traffic.

SURFA-SELE can be applied directly to a damp or wet surface providing the maximum of surface water is removed with wipers or sponge just prior to application.

Dries in from two to eight hours to a semi-gloss white finish, depending upon temperature and humidity of the room in which it is used. It is manufactured in liquid form, blended with pigments, fairly heavy in body and contains no lead. In thinning for use as a primer, the type and porosity of the surface to be covered should be carefully considered. When applied to a porous surface, **SURFA-SELE** penetrates the depth of the pores by capillary attraction which is accelerated by brushing. While drying, it forms a union with the structure and cannot be removed except by mechanical force, taking part of the structure with it.

UNPAINTED CONCRETE SURFACES. Concrete surfaces subject to continuous dampness should be clean and free of all foreign matter and rough spots leveled as smooth as possible. A 10% to 25% solution (in water) of hydrochloric acid (muriatic acid) should be applied to all surfaces. This solution will properly etch the surface to neutralize excess alkali. After all effervescing action ceases, rinse thoroughly with clean water and allow 24 hours for standing water to soak away.

Prime coat or coats should be thinned with 616 Surfa-Sele Reducer to the consistency of skimmed milk. Allow 24 hours between coats. Final coat of Surfa-Sele may be tinted with color in oil to any pastel shade desired. Use the least possible amount of color.

PREVIOUSLY PAINTED CONCRETE SURFACES. Surfa-Sele must penetrate and hold the surface in order to do an effective job. Since other products may not give it this opportunity, it is recommended that all paint, whitewash, or other "sealer coatings" which have proved unsatisfactory on surfaces requiring sealing and water-proofing be removed.

717 CLEAR-SELE

717 Clear-Sele is a clear, liquid sealer that will seal and waterproof concrete, stucco, brick, wood, asbestos and other surfaces requiring a sealer. For use on interior and exterior surfaces where retaining the original or natural appearance of the surface is desirable. A slight amber tone is imparted which will bleach out in exterior surfaces exposed to sun and light. Especially recommended as a sealer on surfaces subject to foot or vehicle traffic and which may be damp, dusting or deteriorating with age.

UNPAINTED CONCRETE SURFACES. Floors should be cleaned of all foreign matter, and rough spots leveled as smooth as possible. A 10% to 25% solution (in water) of hydrochloric acid (muriatic acid) should be applied to all surfaces. This solution will properly etch the surface to neutralize alkali and remove excess grease, etc. After all effervescing action ceases, rinse thoroughly with cold water and allow to dry 48 to 72 hours. Care should be taken with surfaces used for an extended number of years as the pores of these surfaces absorb excessive dirt and grease and will retard smooth finishing unless cleaned properly. After required drying time surface is ready for application of 717 Clear-Sele.

Any Interior Concrete continually subject to dampness should be treated the same as concrete floors. If surface is subject to periodic dampness only, the treatment may not be required.

For exterior concrete, stucco, brick or other surfaces where the natural finish is desired, the acid cleansing treatment is not necessary. Simple cleaning of the surface will be sufficient before application of Clear-Sele. Two coats should seal and waterproof, but in cases of extreme porous condition such as on stucco surfaces, three or four coats may be necessary to obtain the best results.

On interior surfaces or sheltered exterior surfaces such as porches, areaways, etc., after sealing with one coat of Clear-Sele any of the floor finishes on page 15 may be used if color is desired.

PREVIOUSLY PAINTED CONCRETE SURFACES. Follow same procedure as for unpainted concrete surfaces in preparing spots worn through to bare concrete. It is not necessary to remove all old paint from the surface, merely loose scale, blisters, etc. After proper preparation of spots apply Clear-Sele only to bare surfaces.

785 THINNING OIL

For use sparingly as the proper thinning oil in all Long Oil type products used in the protection of metal. Use of thinning oil can be held to a minimum by constant stirring of the product within the container as they are being used.

633 QUICK DRYING OIL

For use sparingly as the proper thinning oil in all Short Oil type products except in Whites, for which proper thinner is recommended under directions for use on pages 7 and 10. Recommended for use with Heat Resistant Coatings excepting those used on surfaces where the temperature exceeds 500° F. May be used as a quick drying aluminum oil for mixing with your own aluminum paste. Suggested use is 2 lbs. of paste per gallon of oil for brushing aluminum and 1½ lbs. of paste per gallon of oil for spraying aluminum. Also used as a transparent, waterproof coating on fibre, stucco, concrete, brick or stone.

540 THINNING OIL FOR WHITE

For use sparingly as proper thinner in the following Rust-Oleum whites:

2764 Eggshell Gloss White
2766 High Gloss White
575 Outside White
X-59 Fume-Proof White

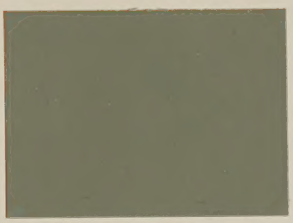
591 ALUMINUM OIL

For use sparingly as the proper thinning oil for 592 Aluminum and 470 Ready Mixed Aluminum. Recommended for use as exterior aluminum oil for mixing with your own aluminum paste. Suggested use is 2 lbs. of paste per gallon of oil for brushing aluminum and 1½ lbs. of paste per gallon of oil for spraying aluminum. May also be used as a transparent protective coating on production stock metal, waterproofing canvas, tarpaulins, brick, stucco, concrete and wherever it is desired to maintain a finish close to natural.

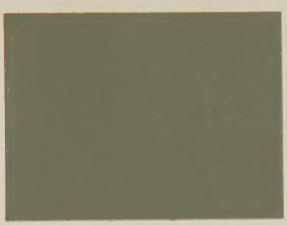
957 HEAT-PROOF ALUMINUM OIL

For use as the proper thinner for Heat Resistant coatings used on surfaces where the temperature is above 500° F. Recommended for use as heat-proof aluminum paste. Suggested use is 1½ lbs. of paste per gallon of oil for brushing aluminum and 1¼ lbs. of paste per gallon of oil for spraying aluminum.

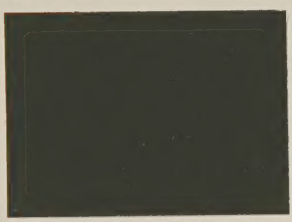
AVERY



G-1 LIGHT GRAY



G-2 MEDIUM GRAY



G-4 BATTLESHIP GRAY

G-5 TILE RED

COATINGS — FLOOR

The floor finishes in this section are recommended for use on interior and exterior sheltered surfaces on concrete, brick, wood, or stone, and also as a dado finish on walls of these materials as well as plaster, and on iron railings which are not rusted. They will dry to touch, dust free, in from 4 to 8 hours to a high gloss finish.

The coverage per gallon (sq. ft. per gallon) depends upon the surface to be finished and its condition. The approximate coverage refinishing an ordinary concrete surface is 450 sq. ft. per gallon and wood surfaces 500 sq. ft. per gallon.

These products will *not* withstand heavy laundry soap solutions usually found in laundry rooms. Such solutions are strong alkalis that will discolor and eat the surface away. Care in disposal of waste laundry water or installation of floor tile are the only solutions to the problem.

In order to insure the best results it is recommended that directions for use in the following paragraphs be adhered to carefully and the very best judgment be used in determining proper end of one step before beginning the next.

UNPAINTED CONCRETE SURFACES. Floor should be cleaned thoroughly of dust, dirt and all foreign matter and rough spots leveled as smooth as possible. A solution of 10% to 25% hydrochloric acid (muriatic acid) should be applied to all surfaces. This will properly etch the surface to neutralize excess alkali and remove grease and soap from pores of surface. Continue to use the solution until all effervescing action ceases. Rinse the area well with warm water and allow to dry 48 to 72 hours. If floor is persistently damp or some dampness prevails at various times, apply a coat of No. 717 Clear-Sele brushing it out thoroughly after acid treatment but before any finish coats.

PREVIOUSLY PAINTED CONCRETE SURFACES. Follow the same procedure as outlined above under unpainted concrete surfaces for all bare areas. It is not necessary to remove all paint from the surface, only loose scale, blisters, and soft, tacky paint.

CONCRETE FLOORS. Especially recommended for finishing or refinishing concrete floors, platforms and stairs for industrial, hotel, hospital, residential and farm use. On previously unpainted concrete floors, not subject to dampness, two light coats may be required to do a perfect job. In applying this material to floors, thin coats are recommended, to be brushed out well and worked into surface. To accelerate penetration of the first coat into the concrete thin approximately 5% to 10% with 633 Q.D. Oil.

To achieve a highly polished finish it is recommended that a liberal application of paste wax be applied and well polished before the floor is put into general use. Liquid wax is not recommended, since most liquid waxes contain ammonium hydroxide which will attack the fresh finish.

WOOD FLOORS — DADO AND RAILINGS. Recommended for finishing or refinishing wood floors, wall dado, stair railings, stairways, platforms and other places a hard floor finish is desired in industrial, resiential and agricultural use by factories, hotels, hospitals, homes and farms. All surfaces should be thoroughly clean and dry. Old paint, scales, blisters, rough edges, etc., should be removed. Cracks and rail holes should be puttied. On new work, the first coat should be thinned considerably for penetration and when dry sanded lightly. The second coat may then be applied, thinned with 633 Quick Drying Oil only as required to ease the brushing. Coverage on wood, dado and railings is approximately 450 sq. ft. per gallon on unfinished surfaces and 500 sq. ft. per gallon on previously finished surfaces.

For floors subject to severe chemical conditions, such as in canneries, food packing plants, bottling plants, etc, Rust-Oleum Chemical Resistant Coatings, fortified with rubber to resist severe chemical actions will be the proper items to select. See Page 12 for full information.

HISTORY
CLASSICS
AT
5050
.R39
1949

Temporary Protective Coating R-9

R-9 Prevents Rust

Designed for use as a temporary protective coating for metal parts, surfaces, etc., indoors or out, to be removed from the part or surface before it is used or placed in service.

R-9 gives complete protection from rust for 9 to 15 months depending upon thickness of coating and conditions of use. It dries to permit handling within three days and will not smudge or rub off on hands or clothing. Non-abrasive, non-toxic and in no way affects the finish of even the finest surface.

Removal of R-9 is quick and easy by using mineral spirits, in temperatures from 150° F. to 30° F. below zero. When inflammable solvents cannot be used a 5% solution of caustic soda is recommended for quick removal.

CHECK These Time and Money Saving Advantages of R-9

- Under all rust-producing conditions it provides positive protection from 9 to 15 months.
- R-9 is quickly and easily applied—by brushing, dipping or spraying.
- R-9 dries within 3 days and does not rub off on contact with hands, clothing, etc.
- Its pliable, air-tight, durable coating seals the surface against rust and corrosion.
- R-9 is quickly removed with mineral spirits, at temperatures from 150° F. to 30° F. below zero.
- Absolutely non-abrasive, does not affect finish or surface of metals.
- Highly resistant to weathering.
- Lasting protection is provided against destructive, rust-forming elements.
- Non-toxic, does not irritate skin.
- It's unequalled as a low cost, highly efficient, temporary protective coating to stop and prevent rust of all types of machined castings and parts in storage or transit.

Standard Packages

Rust-Oleum is packaged in the following containers:

55 gallon Drums and 30 gallon Drums.

5 gallon Cans.

1 gallon Cans — 4 to a case — (except All Thinning Oils and 717 Clear Sele, which are packed 6 to the case).

1 quart Cans — 12 to a case.

1 pint and Half-Pints — 24 to a case.

Your cooperation in ordering in standard package, and by the full case when applicable will help us to render the most prompt and efficient service, and will be very much appreciated.

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Printed in U.S.A. Form No. 120
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RUST-OLEUM CORPORATION

EVANSTON, ILLINOIS